

INTERNATIONAL SEARCH REPORT

International Application No
PCT/IB2004/051295

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 G02F1/1335 G02F1/13363		
According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) IPC 7 G02F		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
Electronic data base consulted during the International search (name of data base and, where practical, search terms used) EPO-Internal		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2001/020990 A1 (MOON JONG-WEON) 13 September 2001 (2001-09-13) the whole document	1-9
X	US 2002/089623 A1 (KIM YONG BEOM ET AL) 11 July 2002 (2002-07-11) cited in the application the whole document	1-5
A	WO 03/040815 A (DAINIPPON PRINTING CO LTD ; KASHIMA KEIJI (JP)) 15 May 2003 (2003-05-15) figures 7,8	1,5
E	-& EP 1 445 644 A (DAINIPPON PRINTING CO LTD) 11 August 2004 (2004-08-11) ----- -/--	1,5
<input checked="" type="checkbox"/> Further documents are listed in the continuation of box C. <input checked="" type="checkbox"/> Patent family members are listed in annex.		
* Special categories of cited documents : *A* document defining the general state of the art which is not considered to be of particular relevance *E* earlier document but published on or after the international filing date *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) *O* document referring to an oral disclosure, use, exhibition or other means *P* document published prior to the international filing date but later than the priority date claimed *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. *&* document member of the same patent family		
Date of the actual completion of the international search 22 October 2004		Date of mailing of the international search report 04/11/2004
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016		Authorized officer Ammerlahn, D

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P,X	US 2004/004681 A1 (OZAWA KINYA ET AL) 8 January 2004 (2004-01-08) the whole document	1-9
A	----- US 2001/017679 A1 (BAEK HEUME-IL ET AL) 30 August 2001 (2001-08-30) cited in the application the whole document -----	1